

Substitute for Form 1449A/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Application Number	10/827,187
		Filing Date	April 19, 2004
		First Named Inventor	Farshad A. Bavarian, et al.
		Art Unit	1764
		Examiner Name	Matthew Merkling
Sheet 1	of 2	Attorney Docket Number	X-0170

U.S. PATENT DOCUMENTS					
Examiner Initials *	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
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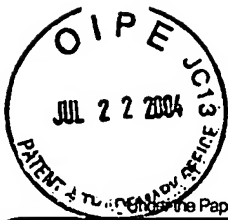
FOREIGN PATENT DOCUMENTS						
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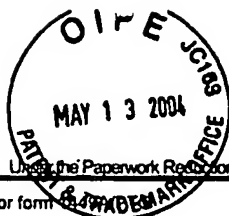
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/MJM/	CM	Balasubramanian, et al., "Hydrogen from Methane In a Single-Step Process," <i>Chemical Engineering Science</i> , Vol. 54, No. , pp 3543-3552 (1999)	

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		Number - Kind Code ² (if known)			
/MJM/	AA	US-2002-0085967 A1	7/4/2002	Yokata	
	AB	US-2002-0110503 A1	8/15/2002	Gittleman et al.	
	AC	US-2003-0113598 A1	6/19/2003	Chow et al.	
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	AG	US-3,108,857	10/28/1963	Gorin et al.	
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	AN	US-4,696,806	9/29/1987	Peterson et al.	
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	AP	US-5,059,406	10/22/1991	Sheth et al.	
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↓	AU	US-6,660,880 B1	12/9/2003	Hampden-Smith et al.	
	AV	US-6,682,838	1/27/2004	Stevens	
	AW	US-6,685,762	2/3/2004	Brewster et al.	

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/MJM/	BA	EP 1,187,668 (WO 00/76629)	3/20/2002	Connor et al.		
	BB	JP 2000-273472	10/3/2000	Tatsuo et al.		
	BC	JP 2002-208425	7/26/2002	Yukitaka et al.		
↓						

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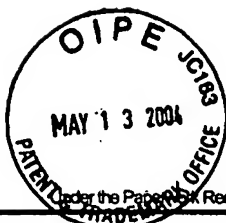
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/MJM/	CA	Alpay et al., "Combined Reaction and Separation in Pressure Swing Processes," <i>Chemical Engineering Science</i> , Vol. 49, No. 24B, pp 5845-5864	
	CB	Berty et al., "Beat the Equilibrium," <i>Chemtech</i> , October 1990, pp 624-629	
	CC	Carvill et al., "Sorption-Enhanced Reaction Process," <i>AIChE Journal</i> , Oct. 1996, Vol. 42, No. 10, pp 2765-2772	
	CD	Han et al., "Simultaneous Shift Reaction and Carbon Dioxide Separation for the Direct Production of Hydrogen," <i>Chemical Engineering Science</i> , Vol. 49, No. 24B, pp 5875-5883 (1995)	
	CE	Heung, L. K., "Separation Using Encapsulated Metal Hydride," U.S. Department of Energy Report No. WSRC-RP-00668, published June 1, 2001	
	CF	Huften et al., "Sorption-Enhanced Reaction Process for Hydrogen Production," <i>AIChE Journal</i> , Feb. 1999, Vol. 45, No. 2, pp 248-256	
	CG	Kuramoto et al., "Repetitive Carbonation-Calcination Reactions of Ca-Based Sorbents for Efficient CO ₂ Sorption at Elevated Temperatures," <i>Ind. Eng. Chem. Res.</i> , 2003, Vol. 42, pp 975-981	
	CH	Lin et al., "Hydrogen Production from Hydrocarbon by Integration of Water-Carbon Reaction and Carbon Dioxide Removal (HyPr-RING Method)," <i>Energy and Fuels</i> , 2001, Vol. 15, pp 339-343	
	CI	Rizeq et al., "Fuel-flexible gasification-combustion technology for production of H ₂ and sequestration-ready CO ₂ ," Annual Technical Progress Report 2002, October 2002, DOE Award No. DE-FC26-00FT40974, General Electric and Environmental Research Corporation	
	CJ	Saitou et al., "Hydrogen Purification with Metal Hydride Sintered Pellets Using Pressure Swing Adsorption Method," <i>Journal of Alloys and Compounds</i> , Vol. 231 (1995), pp. 865-870	
	CK	Silaban et al., "High Temperature Capture of Carbon Dioxide: Characteristics of the Reversible Reaction Between CaO(s) and CO ₂ (g)," <i>Chem. Eng. Comm.</i> , 1995, Vol. 137, pp 177-190	
↓	CL	Wang, et al., "Hydrogen Purification Using Fluorinated LaNi _{4.7} Al _{0.3} Alloy," <i>Journal of Alloys and Compounds</i> , Vol. 231 (1995), pp. 860-864	
	CM		

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